

EEEEEEEEEE XX XX AAAAAA MM MM PPPPPP LL EEEEEEEE SSSSSSS  
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPP LL EEEEEEEE SSSSSSS  
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPP LL EEEEEEEE SSSSSSS  
EE XX XX AA AA MMMM MMMM PP PP LL EE SS  
EE XX XX AA AA MMMM MMMM PP PP LL EE SS  
EE XX XX AA AA MMMM MMMM PP PP LL EE SS  
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EE XXXX AA AA MM MM PPPP LL EEEEEEEE SSSSS  
EE XX AA AA MM MM PPPP LL EEEEEEEE SSSSS  
EE XX AA AA MM MM PPPP LL EEEEEEEE SSSSS  
EE XX XX AAAAAAAA MM MM PP LL EE SS  
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EE XX XX AAAAAAAA MM MM PP LL EE SS  
EE XX XX AA AA MM MM PP LL EE SS  
EE XX XX AA AA MM MM PP LL EE SS  
EE XX XX AA AA MM MM PP LL EEEEEEEE SSSSSSS  
EEEEEEEEEE XX XX AA AA MM MM PP LLLL EEEEEEEE SSSSSSS  
EEEEEEEEEE XX XX AA AA MM MM PP LLLL EEEEEEEE SSSSSSS  
EEEEEEEEEE XX XX AA AA MM MM PP LLLL EEEEEEEE SSSSSSS

\*\*FILE\*\*ID\*\*USSTEST

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UU UU SSSSSSSS SSSSSSSS TTTTTTTTTT EEEEEEEEEE SSSSSSSS TTTTTTTTTT  
UU UU SSSSSSSS SSSSSSSS TTTTTTTTTT EEEEEEEEEE SSSSSSSS TTTTTTTTTT  
UU UU SS SS TT EE SS TT  
UU UU SSSSSS SSSSSS TT EEEEEEE SSSSSS TT  
UU UU SSSSSS SSSSSS TT EEEEEEE SSSSSS TT  
UU UU SS SS TT EE SS TT  
UUUUUUUUUUUU SSSSSSSS SSSSSSSS TT EEEEEEEEEE SSSSSSSS TT  
UUUUUUUUUUUU SSSSSSSS SSSSSSSS TT EEEEEEEEEE SSSSSSSS TT

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MM MM AAAAAA RRRRRRRR  
MM MM AAAAAA RRRRRRRR  
MMMM MM MM AA AA RR RR  
MMMM MM MM AA AA RR RR  
MM MM MM AA AA RR RR  
MM MM MM AA AA RR RR  
MM MM AA AA RRRRRRRR  
MM MM AA AA RRRRRRRR  
MM MM AAAAAAAA RR RR  
MM MM AAAAAAAA RR RR  
MM MM AA AA RR RR

.TITLE USSTEST  
.IDENT 'V04-000'

\*\*\*\*\*  
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Facility: Example of User Written System Services

++  
Abstract:

This module contains an example of a program that invokes a sample  
user-written system service that is contained in a privileged  
shareable library. The module USSDISP contains the sample service  
and associated dispatching code being invoked by this simple test  
program.

--  
Link Command File:

\$ |  
\$ | Link Command file for USSTEST  
\$ |  
\$ | LINK USSTEST/MAP/FULL,SY\$INPUT/OPTIONS  
|  
| Options file for USSTEST  
| USS.EXE/SHARE

--  
BUF: .LONG 0 ; Location to receive TODR contents  
.PAGE  
.SBTTL Sample invocation of user written system service

++  
Functional Description:

This routine shows an invocation of the example user system service that  
will read the contents of the time of day register.

As can be seen by this example, the privileged nature of the code used

to implement the reading of the TODR is not visible to the caller.  
For coding convenience and better maintainability, the code can be  
generated by macros patterned on the standard VMS system service macros.

;--

```
.ENTRY USSTEST,^M<>          : Entry mask and definition
PUSHAB BUF                      : Build argument list - set address for
CALLS #1,G^USER_GET_TODR        : return value
RET                           : Invoke routine in privileged library
                             : to get value from Time-of-day register
.END   USSTEST                  :
```

0157 AH-BT13A-SE  
VAX/VMS V4.0

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EXAMPLES